

# Open2Test Test Automation Framework for Selenium Web Driver - Quick Start Guide

Version 1.0

Apr 2013

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## TABLE OF CONTENTS

1	PURPOSE	. 3
2	Environment Setup	. 4
3	Framework at Glance	. 5
3.	PROJECT SETUP IN ECLIPSE	. 7
4	Usage of Keywords	14
5	TEST RESULTS FOR A KEYWORD-DRIVEN SCRIPT	15



## 1 PURPOSE

This document explains the support settings and how to get started with keyword-driven scripting using Selenium WebDriver.



## 2 Environment Setup

The following jar files are required to run the  $\mbox{\it Open2Test}$  Selenium Webdriver Framework.

- jexcelapi\_2\_6\_12 or higher
- junit-4.9 or higher
- selenium-server-standalone-2.7.0 or higher



#### 3 Framework at Glance

#### Input Files:

#### a. Selenium Utility Excel:

The TestSuite, TestScript, Object Repository and Report Folder location should be mentioned in Selenium\_Utility excel.

File\Folder Name	Location
Test Suite	D:/path/Test_Suite1.xls
Test Script	D:/path/
Object Repository	D:/path/TestData/ObjectRepository.xls
Summary Report	D:/path/Test Reports/
Screen Shot Report	D:/path/Test Reports/ScreenShot_Report/
Detailed Report	D:/path/Test Reports/Detailed_Report/

Note: The selenium utility excel file should be placed in

D:\Selenium\_Utility.xls.If you wish to place the utility file in some other location, you must update the path in the ReadUtilFile() function in the framework.

## b. Object Repository Excel:

Collect the properties of objects and define it in  ${\tt Object\_Repository.xls}$  like below

	Object		
Object Name	Туре	Parent	ObjectPath
Welcome to Open2Test.org	Page	0	name=
logo.jpg	Image	1	xpath=/html[1]/body[1]/div[1]/div[1]/img[1]
Home	Link	1	link=Home
About Us	Link	1	link=About Us
Tech Docs	Link	1	link=Tech Docs
News	Link	1	link=News
Roadmap	Link	1	link=Roadmap
Comment	Link	1	link=Comment
Support	Link	1	link=Support
Contact Us	Link	1	link=Contact Us
banner.jpg	Image	1	xpath=/html[1]/body[1]/div[1]/div[2]/div[1]/img[1]
Learn More	Link	1	link=Learn More
Learn More_1	Link	1	link=Learn More
Name	Textbox	1	id=name
emailID	Textbox	1	id=emailID
selectframework	ComboBox	1	xpath=//select
Agreement	Textbox	1	id=Agreement



Terms & amp; Conditions	Link	1	link=Terms & amp; Conditions
Input	Textbox	1	id=submit
new.gif	Image	1	xpath=/html[1]/body[1]/div[1]/div[2]/div[2]/div[2]/p[1]/img[1]
More news	Link	1	link=More news
Sitemap	Link	1	link=Sitemap
Privacy Policy	Link	1	link=Privacy Policy

#### c. Test suite Excel:

Mention the test scripts in the 'Test suite' excel in the order you wish to execute them.

Run	Test Scripts			
r	Mantis_Create Project			
r	Mantis_Report Issue			
r	Mantis_View Issue and Delete Project			
r	Mantis_Fail			
r	Call Tariff Addition and Amendment			

## d. Test Script Excel

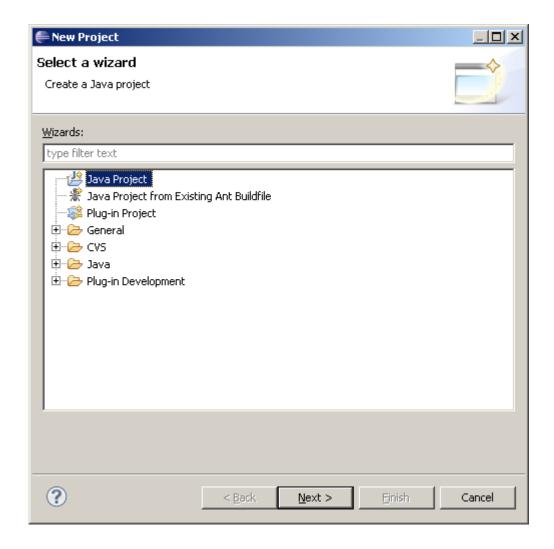
Write the keywords for the test script like below

Run	Keyword	ObjectDetails	Action	Action2	Comments
r	LaunchApp	www.open2test.org			
r	importdata	D:\001 D Files\path\TestData\TestData.xls	Sheet1		
r	loop	<u>3</u>			
r	perform	Textbox;name	set:dt_username		
r	perform	Textbox;emailID	set:dt_email		
r	check	Textbox;emailID	enabled:true		
	call				
r	perform	ComboBox;selectframework	select:Web Framework (V2) for Selenium		
r	perform	Textbox;Agreement	click		
	perform	Link;Terms & Donditions	click		
r	perform	Button;input	click		
r	screencapture				
r	Endloop				

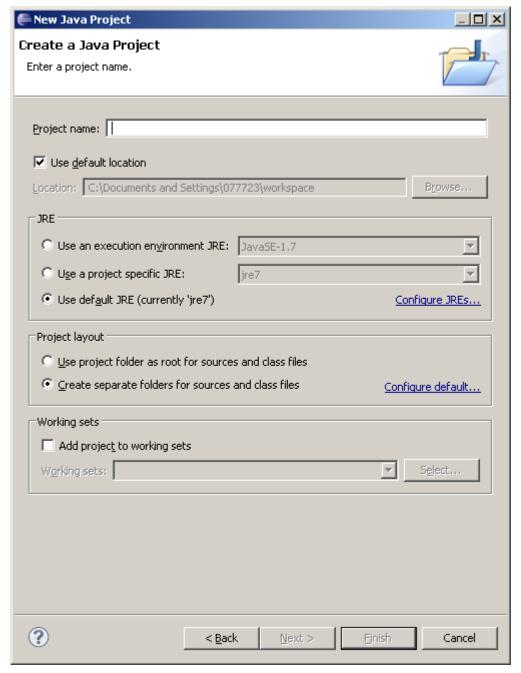


# 3. Project Setup in Eclipse

Create a Java project in Eclipse

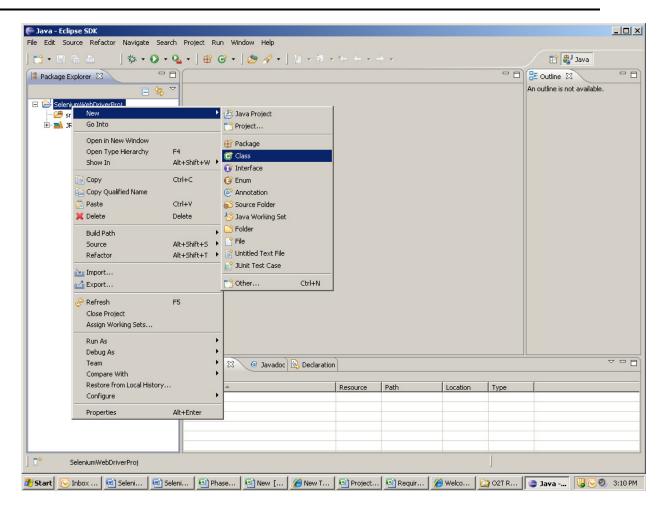






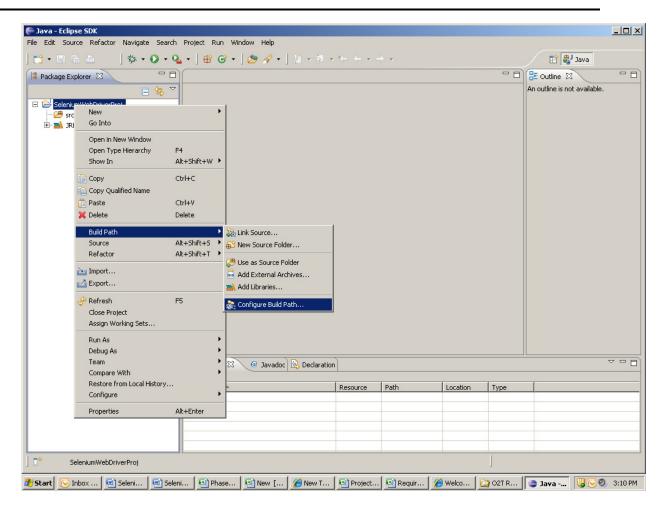
Note: Please note that JavaSE-1.7 has to be used





Add the required jar files to the library:



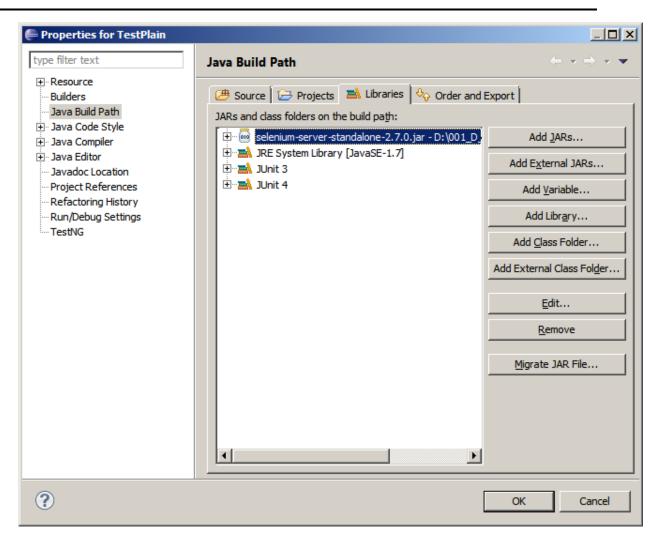




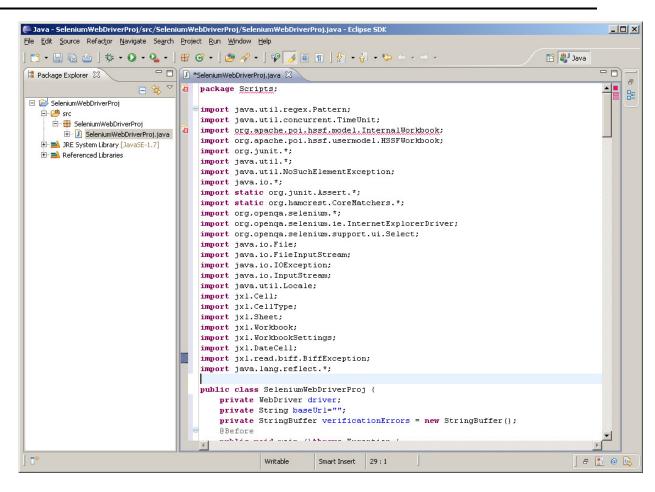
⋹ New Java Class		_					
	Java Class  A This package name is discouraged. By convention, package names usually start with a lowercase letter						
Source fol <u>d</u> er:	SeleniumWebDriverProj/src SeleniumWebDriverProj	Browse					
Enclosing type:		Browse					
Na <u>m</u> e: Modifiers:	SeleniumWebDriverProj   ② gublic						
Superclass:	java.lang.Object	Brows <u>e</u>					
Interfaces:		Add Remove					
Which method stubs	would you like to create?						
	<ul> <li>✓ public static void main(String[] args)</li> <li>✓ Constructors from superclass</li> <li>✓ Inherited abstract methods</li> </ul>						
Do you want to add comments? (Configure templates and default value <u>here</u> )  Generate comments							
?	<u>E</u> inish	Cancel					

Remove the contents of the new class and Copy the framework into the new class file  $% \frac{1}{2}\left( \frac{1}{2}\right) =\frac{1}{2}\left( \frac{1}{2}\right) +\frac{1}{2}\left( \frac{1}{2}\right) +\frac{1}{$ 











# 4 Usage of Keywords

The keywords for the test scenario should be entered in the Sheet1 of the Microsoft Excel placed in the Test Scripts folder. The syntax for the keywords can be referred from Selenium Keywords Reference Dictionary Document.



## 5 Test Results for a Keyword-Driven Script

Test execution results can be viewed and analyzed as soon as the run session ends. To access the test results, go to the Test\_Reports folder customized using the test automation framework. Two folders will be available: one showing the summary report for test suite execution, and anoter folder called Detailed\_Report that displays the detailed stepwise test results for each test script. A screenshot will be available for the failure scripts under ScreenShot\_Report.



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